

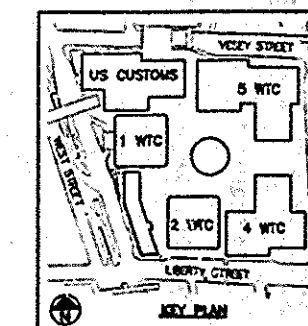
# 1. GENERAL NOTES

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT.
- VERIFY ALL COVERING DIMENSIONS, PIPE SIZES AND LOCATION IN THE FIELD.
- COORDINATE ALL WORK TO MINIMIZE INTERFERENCE WITH EXISTING FACILITIES AND OTHER TRADES.
- REQUESTS FOR SHUT DOWNS MUST BE DELIVERED TO THE ENGINEER AT LEAST (7) SEVEN WORKING DAYS PRIOR TO THE REQUESTED SHUTDOWN AND SHALL BE SUBJECT TO THE FINAL APPROVAL OF THE ENGINEER.
- ALL UNUSED PIPING, HANGERS, SUPPORTS SHALL BE COMPLETELY REMOVED ALL THE WAY BACK TO THE RISER OR BACK TO THE NEAREST ACTIVE BRANCH MAIN AND CAP, SEALED WATER TIGHT. ALL THE OPENINGS RESULTING SHALL BE PROPERLY PATCHED, SEALED, AND FIRE STOPPED TO MAINTAIN THE ORIGINAL INTEGRITY OF THE PARTITION'S FIRE RATING.
- INSTALL WORK IN NEAT AND APPROVED MANNER. RESTORE EXISTING PIPING DISTURBED IN MAKING SUCH CONNECTIONS TO PERFECT CONDITIONS.
- CLEANING: REMOVE FROM PREMISES ALL DEBRIS RESULTING FROM WORK OF THIS SECTION. LEAVE WORK OF THIS SECTION CLEAN AND IN PERFECT CONDITION.
- DRIP PIPING SHALL BE GALVANIZED STEEL AS PER SPECIFICATION SECTION 15410, PARA. 2.01.
- PROVIDE LINK SEALS FOR ALL PIPE PENETRATIONS THROUGH MAIN ROOF SLAB.
- PROVIDE FLASHING FOR TWO VENTS PENETRATING BULKHEAD ROOF.
- PROVIDE THE FOLLOWING EQUIPMENT AS MADE BY B/W CONTROLS:  
Z - MOISTURE SENSORS #6013-MSA-1  
I - NEMA 1 CONTROL PANEL #5041-1200-11-R-N1

ROOF DRAIN SCHEDULE	
LOCATION	DESCRIPTION
BULKHEAD ROOF DRAINS #12 & 3	J.P. SMITH FIG. 1010, 4" THREADED OUTLET, SUMP RECEIVER, UNDERDECK CLAMP, CAST IRON DOME STRAINER, FLASHING CLAMP
BULKHEAD DRAINS #4,5,6,7,8 & 10	J.P. SMITH FIG. 102010A, 3" THREADED OUTLET, 4" WIDE FLANGE FOR SEAMLESS FLOORING, CLAMP, CAST IRON DOME STRAINER
MAIN ROOF DRAINS #11,12,13 & 15	J.P. SMITH FIG. 1010, CAULKED OUTLET, (SIZES AS SHOWN), UNDERDECK CLAMP, FLASHING CLAMP, CAST IRON DOME STRAINER
ROOF DRAINS WITHIN BULKHEAD AREA #14 & 15	J.P. SMITH FIG. 102010A, 4" THREADED OUTLET, 4" WIDE FLANGE FOR SEAMLESS FLOORING, SQUARE TOP

PLUMBING SYMBOL LIST	
	EXISTING PIPING TO REMAIN
	EXISTING PIPING/FIXTURE TO BE REMOVED
	NEW PIPING
	VENT PIPING
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	PLUGGED OUTLET
	LEADER PIPING
	DRAIN PIPING
	SANITARY PIPING
	WASTE PIPING
	PIPING IN CEILING BELOW
	HAND VALVE
	CHECK VALVE
	PLUMBING RISER No. (TYPICAL)
	HOSE BIBB
	CENTER LINE ELEVATION
	CONNECT TO EXISTING
	FLOOR DRAIN
	STOP VALVE
	ABOVE FINISH FLOOR
	B.O.P. BOTTOM OF PIPE
	C.O. CLEAN OUT
	C.W. COLD WATER
	C.L.G. CEILING
	E.W. EYEWASH
	EX. EXISTING
	FD. FLOOR DRAIN
	H.B. HOSE BIBB
	H.W. HOT WATER
	H.W.R. HOT WATER RETURN
	L. LEADER
	M.E.R. MECHANICAL EQUIPMENT ROOM
	N.T.S. NOT TO SCALE
	S. SOIL
	S.P.O. SOIL PLUGGED OUTLET
	V. VENT
	W. WASTE

SPRINKLER SYMBOL LIST	
	UPRIGHT SPRINKLER HEAD
	FLOOR CONTROL ASSEMBLY



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THE PORT AUTHORITY  
OF NY & NJ



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I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS, CONSTITUTING A PART OF CONTRACT NO. WTC-945.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.  
DATE 11/16/98 Signature  
DATE 11/10/98 Signature  
EXPIRATION DATE


Engineering Department  
Design Divisions

The  
World  
Trade  
Center

100  
**STANDBY POWER  
5 WORLD TRADE CENTER**

**PLUMBING  
SYMBOL LIST  
AND GENERAL NOTES**

This drawing subject to conditions in contract. All inventions, ideas, designs and materials therein are reserved to Port Authority and may not be used without its written consent.

VP M.A.R. VP  
Designed by Drawn by Check by  
Date 11/17/97 Scale NONE  
Contract Number WTC-945.071 Drawing Number PO-01